

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/524,237
Source: PG
Date Processed by STIC: 1/31/06

ENTERED



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/524,237

DATE: 01/31/2006
TIME: 15:52:07

Input Set : A:\sequence listing.txt
Output Set: N:\CRF4\01312006\J524237.raw

3 <110> APPLICANT: KOPCHICK, John J.
4 COSCHIGANO, Karen T.
5 WETZEL, Amy N.
7 <120> TITLE OF INVENTION: DIAGNOSIS OF KIDNEY DAMAGE AND PROTECTION AGAINST SAME
9 <130> FILE REFERENCE: KOPCHICK5A
11 <140> CURRENT APPLICATION NUMBER: 10/524,237
12 <141> CURRENT FILING DATE: 2005-02-10
14 <150> PRIOR APPLICATION NUMBER: US 60/400,052
15 <151> PRIOR FILING DATE: 2002-08-02
17 <150> PRIOR APPLICATION NUMBER: PCT/US/2003/024053
18 <151> PRIOR FILING DATE: 2003-08-04
20 <160> NUMBER OF SEQ ID NOS: 34
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 747
26 <212> TYPE: DNA
27 <213> ORGANISM: Mus musculus
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31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (14)..(14) /
33 <223> OTHER INFORMATION: Unknown
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (17)..(17) /
38 <223> OTHER INFORMATION: Unknown
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42 <222> LOCATION: (159)..(162) /
43 <223> OTHER INFORMATION: Unknown
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48 <223> OTHER INFORMATION: Unknown
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51 <221> NAME/KEY: misc_feature
52 <222> LOCATION: (377)..(377) /
53 <223> OTHER INFORMATION: Unknown
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56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: (483)..(483) /
58 <223> OTHER INFORMATION: Unknown
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature

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62 <222> LOCATION: (494)..(494)
63 <223> OTHER INFORMATION: Unknown
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66 <221> NAME/KEY: misc_feature
67 <222> LOCATION: (526)..(526)
68 <223> OTHER INFORMATION: Unknown
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: (536)..(536)
73 <223> OTHER INFORMATION: Unknown
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76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (570)..(570)
78 <223> OTHER INFORMATION: Unknown
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81 <221> NAME/KEY: misc_feature
82 <222> LOCATION: (575)..(575)
83 <223> OTHER INFORMATION: Unknown
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86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (579)..(579)
88 <223> OTHER INFORMATION: Unknown
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91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (587)..(587)
93 <223> OTHER INFORMATION: Unknown
95 <220> FEATURE:
96 <221> NAME/KEY: misc_feature
97 <222> LOCATION: (595)..(595)
98 <223> OTHER INFORMATION: Unknown
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102 <222> LOCATION: (623)..(624)
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107 <222> LOCATION: (628)..(629)
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117 <222> LOCATION: (650)..(650)
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122 <222> LOCATION: (664)..(664)

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137 <222> LOCATION: (679)..(680)
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142 <222> LOCATION: (688)..(688)
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157 <222> LOCATION: (696)..(696)
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178 <223> OTHER INFORMATION: Unknown
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181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (734)..(734)
183 <223> OTHER INFORMATION: Unknown

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Input Set : A:\sequence listing.txt
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 187 <222> LOCATION: (737)..(737) /
 188 <223> OTHER INFORMATION: Unknown
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 192 <222> LOCATION: (739)..(739) /
 193 <223> OTHER INFORMATION: Unknown
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 196 <221> NAME/KEY: misc_feature /
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 198 <223> OTHER INFORMATION: Unknown
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 203 <223> OTHER INFORMATION: Unknown
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 208 tcagtgcctt tggctggacc aaattcctac aaggagatca tcctgaatgg ccatgaggag 120
 210 gagcatcatg aaagcacatg gtctaaccca taccatgnn nngtgaaga tggctgagaa 180
 212 ggcagtgctg gcaaccncntg ggagcatctt gaaaaatggt ggcactttgc atacttgtgc 240
 214 cttaaagactc tcttcatct atgggaaaga atgccaagtc acttcaacca ctgtgaaaac 300
 216 agcactgaag aacaacagca taattaagaa agatgccaca ttctccattt ccaacccagt 360
 218 gtatgtgggc aatgcancct gggctcacat tctggctgcc aggagcctac aggaccctaa 420
 220 aaagtccccca agcatccaag gacagttcta ttacattaac agatgacacc cctcaccaaa 480
 222 gcnatgatga cttaaaaatg caccctgagc aaggagtggg ggcccncccc cttganacca 540
 224 actgggaagt ctttcctctg cccctgctn tactnggcnt tgccttnccct ccccnnggaaa 600
 226 actggggAAC cttccctgcta ccnnccannc taccactta nnnaaccccn ttttaaacc 660
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 235 <212> TYPE: DNA
 236 <213> ORGANISM: Mus musculus
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 252 <223> OTHER INFORMATION: Unknown
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 255 <221> NAME/KEY: misc_feature /
 256 <222> LOCATION: (18)..(18) /

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257 <223> OTHER INFORMATION: Unknown
259 <220> FEATURE:
260 <221> NAME/KEY: misc_feature
261 <222> LOCATION: (20)..(21) /
262 <223> OTHER INFORMATION: Unknown
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266 <222> LOCATION: (30)..(31) /
267 <223> OTHER INFORMATION: Unknown
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270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (37)..(38) /
272 <223> OTHER INFORMATION: Unknown
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275 <221> NAME/KEY: misc_feature
276 <222> LOCATION: (44)..(44) /
277 <223> OTHER INFORMATION: Unknown
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280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (53)..(53) /
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286 <222> LOCATION: (55)..(55) /
287 <223> OTHER INFORMATION: Unknown
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291 <222> LOCATION: (57)..(58) /
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300 <221> NAME/KEY: misc_feature
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306 <222> LOCATION: (97)..(97) /
307 <223> OTHER INFORMATION: Unknown
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311 <222> LOCATION: (104)..(104) /
312 <223> OTHER INFORMATION: Unknown
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315 <221> NAME/KEY: misc_feature
316 <222> LOCATION: (114)..(114) /
317 <223> OTHER INFORMATION: Unknown

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/524,237

DATE: 01/31/2006
TIME: 15:52:08

Input Set : A:\sequence listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 14,17,159,160,161,162,198,377,483,494,526,536,570,575,579
 Seq#:1; N Pos. 587,595,623,624,628,629,641,642,643,680,664,672,676,677,679
 Seq#:1; N Pos. 680,688,690,691,692,694,696,700,701,717,722,723,724,725,729
 Seq#:1; N Pos. 730,734,737,739,741,742,743,746
 Seq#:2; N Pos. 1,8,15,16,18,20,21,30,31,37,38,44,53,55,57,58,77,79,97,104
 Seq#:2; N Pos. 114,126,127,134,140,147,148,151,153,156,160,168,173,179,184
 Seq#:2; N Pos. 185,189,192,203,206,217,250,256,275,287,325,399,567,609,674
 Seq#:2; N Pos. 675,790
 Seq#:6; N Pos. 579
 Seq#:7; N Pos. 9,605,641,654,659,675,728,739,742,754,784,797,798,803,806
 Seq#:7; N Pos. 810,813,837,839,862,866,870,872,881
 Seq#:14; N Pos. 94
 Seq#:15; N Pos. 409
 Seq#:16; N Pos. 1,2,4,5,25,26
 Seq#:17; N Pos. 145,246,263,290,295,313,331,333,341,344,349,354,367,369,377
 Seq#:17; N Pos. 384,387,390,395,423,426,428,434,436,448,451,455,463,479,480
 Seq#:17; N Pos. 483,487,488,489,491,498,504,505,511,514,520,522,527,528,530
 Seq#:17; N Pos. 537,540,541,544,546,547,552,558,566,567,568,569,575,578,579
 Seq#:17; N Pos. 583,589,598,601,606,610,611,622,626,628,630,632,635,637,639
 Seq#:17; N Pos. 641,642,645,646,647,652,656,659,661,662,663,664,665,668,669
 Seq#:17; N Pos. 673,674,681,682,686,690,695,698,700,704,706,707,715,716,717
 Seq#:17; N Pos. 719,723,724,727,729,731,736,739,740,741,742,744,746,749,751
 Seq#:17; N Pos. 758,760,762,763,765,768,770,771,777,778,779,780,782,784,787
 Seq#:17; N Pos. 788,789,793,794,798,799,800,801,805,815,816,820
 Seq#:18; N Pos. 9,28,40,61,613,616,632,658,671,674,676,686,695,704,709,717
 Seq#:18; N Pos. 718,741,750,754,757,764,765,767,771,775,806,807,810,813,816
 Seq#:18; N Pos. 831,833,836
 Seq#:19; N Pos. 299,428,460,466,518,523,542,544,556,564,566,569,574,577,583
 Seq#:19; N Pos. 585,600,602
 Seq#:21; N Pos. 409
 Seq#:22; N Pos. 1,2,4,5,25,26
 Seq#:23; N Pos. 128,141,143,145,166,173,179,201,210,308,348,354,359,368,401
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 Seq#:23; N Pos. 549,589,659,663,669,673,674
 Seq#:24; N Pos. 3,4,6,8,12,14,17,24,37,43,82,83,168,199,208,217,221,224,225
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 Seq#:24; N Pos. 298,309,310,312,318,328,330,334,336,343,344,347,361,363,368
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 Seq#:24; N Pos. 542,545,550,554,563,568,576,577,582,589,594,595,601,605,606
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Seq#:24; N Pos. 769,771,776,778,797,799,803,806,817,828,829,831,838,857,861
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Seq#:24; N Pos. 964,965,966,971,975
Seq#:25; N Pos. 5,7
Seq#:26; N Pos. 2,12,15,21,22,42,145,147,148,149,173,178,180,196,198,206
Seq#:26; N Pos. 318

VERIFICATION SUMMARY

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L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:540
L:766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
L:1000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:360
L:1031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:120
M:341 Repeated in SeqNo=17
L:1772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
M:341 Repeated in SeqNo=18
L:1908 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:240
M:341 Repeated in SeqNo=19
L:1966 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:360
L:1997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:2181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:120
M:341 Repeated in SeqNo=23
L:2984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
M:341 Repeated in SeqNo=24
L:3036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:3116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
M:341 Repeated in SeqNo=26
L:3801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:4148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
M:341 Repeated in SeqNo=30
L:4455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
M:341 Repeated in SeqNo=32
L:4701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:540
M:341 Repeated in SeqNo=33